



Kentucky HIV/AIDS Semi-Annual Report

Volume 3 Number 2

Year End
December 31, 2003

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This report may be accessed through the Kentucky Department for Public Health web site. The web address for the HIV/AIDS program is <http://chs.ky.gov/publichealth/hiv-aids.htm>.

The HIV/AIDS web site not only contains copies of HIV/AIDS statistical reports for the past three years but also lists information on HIV prevention, HIV/AIDS surveillance, and services for those persons living with HIV/AIDS. In addition, a list of approved HIV/AIDS continuing education courses for health professionals may be accessed through the web site.

Cumulative Kentucky AIDS Cases as of December 31, 2003

<u>Type of Case</u>	<u>Number of Cases</u>
AIDS Cases both living and deceased	4,071
Cases living with AIDS	2,228

The HIV/AIDS Semi-Annual Report
is produced by:

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Kentucky HIV/AIDS Semi-Annual Report Data Sources and Limitations

The HIV/AIDS Semi-Annual Report presents data regarding AIDS cases diagnosed and reported to the Kentucky Department for Public Health, HIV/AIDS Program through December 31, 2003.

According to state regulation 902 KAR 2:020, Section 7, health professionals licensed under KRS chapters 311 through 314, health facilities licensed under KRS chapter 216B and laboratories licensed under KRS chapter 333 are required to report HIV and AIDS cases to the Kentucky Department for Public Health within five business days of diagnosis. AIDS cases are reported by name, while HIV cases are reported by 'Unique Identifier' consisting of the person's initials of last and first name; date of birth; and last four digits of Social Security number. HIV tests can be either anonymous or confidential; however, only those confidential HIV positive cases are reported to the Kentucky Department for Public Health.

HIV and AIDS cases who reside in the Kentucky counties of Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer and Trimble are reported to an HIV/AIDS surveillance nurse consultant at the Jefferson County Health Department. All other HIV and AIDS cases are reported to an HIV/AIDS surveillance representative at the Kentucky Department for Public Health. Case information from both sites is combined at the Kentucky Department for Public Health to produce this report.

On December 15, 2000 updated HIV/AIDS reporting requirements including reporting for HIV using a unique code were adopted in Kentucky. Data from the HIV 'Unique Identifier' reporting system, which was implemented as a result of these requirements, will not be released until a complete evaluation of the system is performed and the effectiveness of the unique code is determined.

A limitation of the AIDS data set is the increasing number of cases reported with undetermined mode of exposure information. Cases with undetermined mode of exposure, based on year of diagnosis, have increased from 10% in 1998 to 27% in 2003. This increase makes year to year comparison by mode of exposure difficult. Enhanced surveillance activities have been implemented to attempt to resolve cases reports with missing risk factor information.



AIDS Cases by Report Date and Diagnosis Date

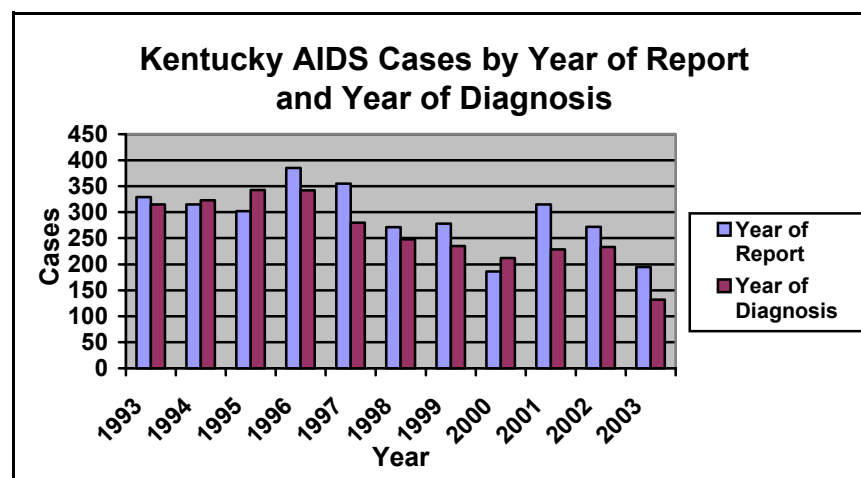
Date of Report: When an HIV or AIDS case is reported to the Kentucky HIV/AIDS Program

Date of Diagnosis: When an HIV or AIDS case is actually diagnosed

Key Difference: A case may be diagnosed in one year and not reported for many years later. For this reason, date of diagnosis is used to examine epidemiologic trends.

Year	AIDS Cases by Year of Diagnosis	AIDS Cases by Year of Report
1993	315	329
1994	323	315
1995	343	302
1996	342	385
1997	280	355
1998	248	271
1999	235	278
2000	212	186
2001	229	315*
2002	233	272
2003	132	195

*The increase in reported cases for the year 2001 may be due to a change in reporting regulations, which were adopted as of December 15, 2000, requiring laboratories to report positive HIV test results to the Department for Public Health.



Adult/Adolescent ⁽¹⁾ AIDS Cases by Year of Diagnosis																
Characteristics	1982-97	%	1998	%	1999	%	2000	%	2001	%	2002 ⁽²⁾	%	2003 ⁽²⁾	%	Total	% ⁽³⁾
GENDER																
Male	2445	89%	207	84%	180	77%	175	83%	197	86%	184	80%	104	79%	3492	86%
Female	314	11%	40	16%	53	23%	36	17%	32	14%	47	20%	28	21%	550	14%
TOTAL	2759	100%	247	100%	233	100%	211	100%	229	100%	231	100%	132	100%	4042	100%
AGE AT DIAGNOSIS																
13-19	23	1%	1	0%	1	0%	0	0%	2	1%	1	0%	0	0%	28	1%
20-29	554	20%	33	13%	36	15%	27	13%	35	15%	34	15%	23	17%	742	18%
30-39	1331	48%	115	47%	107	46%	99	47%	78	34%	83	36%	39	30%	1852	46%
40-49	633	23%	72	29%	66	28%	56	27%	81	35%	76	33%	48	36%	1032	26%
>49	218	8%	26	11%	23	10%	29	14%	33	14%	37	16%	22	17%	388	10%
TOTAL	2759	100%	247	100%	233	100%	211	100%	229	100%	231	100%	132	100%	4042	100%
RACE																
White	1978	72%	153	62%	139	60%	116	55%	134	59%	143	62%	77	58%	2740	68%
African-American	732	27%	84	34%	89	38%	83	39%	85	37%	75	32%	43	33%	1191	29%
Other	49	2%	10	4%	5	2%	12	6%	10	4%	13	6%	12	9%	111	3%
TOTAL	2759	100%	247	100%	233	100%	211	100%	229	100%	231	100%	132	100%	4042	100%
RISK																
MSM ⁽⁴⁾	1684	61%	124	50%	118	51%	99	47%	122	53%	97	42%	58	44%	2302	57%
IDU ⁽⁵⁾	363	13%	36	15%	35	15%	25	12%	29	13%	29	13%	24	18%	541	13%
MSM and IDU	184	7%	17	7%	5	2%	9	4%	9	4%	8	3%	6	5%	238	6%
Hemophilia/Coagulation Disorder	77	3%	2	1%	0	0%	3	1%	0	0%	0	0%	0	0%	82	2%
Heterosexual ⁽⁶⁾	305	11%	44	18%	35	15%	31	15%	25	11%	28	12%	9	7%	477	12%
Transfusion	40	1%	0	0%	2	1%	0	0%	0	0%	0	0%	0	0%	42	1%
Undetermined ⁽⁷⁾	106	4%	24	10%	38	16%	44	21%	44	19%	69	30%	35	27%	360	9%
TOTAL	2759	100%	247	100%	233	100%	211	100%	229	100%	231	100%	132	100%	4042	100%

(1) Cases are classified as Adult/Adolescent if they are 13 years of age or older at time of diagnosis.

(2) Data for the years 2002 and 2003 are provisional due to reporting delays.

(3) Percentages may not total to 100 due to rounding.

(4) MSM= Men Having Sex with Men

(5) IDU = Injecting Drug User

(6) "Heterosexual" includes persons who have had heterosexual contact with a person with HIV or at risk for HIV.

(7) "Undetermined" refers to persons whose mode of exposure to HIV is unknown. This includes persons who are under investigation, deceased, lost to follow-up, refused interview, and persons whose mode of exposure remains undetermined after investigation.

Pediatric ⁽¹⁾ AIDS Cases by Year of Diagnosis																
Risk Factor	1982-97	%	1998	%	1999	%	2000	%	2001	%	2002 ⁽²⁾	%	2003 ⁽²⁾	%	Total	% ⁽³⁾
Hemophilia/Coagulation Disorder	4	17%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	4	14%
Perinatal	18	78%	1	100%	2	100%	1	100%	0	0%	2	100%	0	0%	24	83%
Transfusion	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	3%
Total	23	100%	1	100%	2	100%	1	100%	0	0%	2	100%	0	0%	29	100%

(1) Cases are classified as Pediatric if they are less than 13 years of age at time of diagnosis.

(2) Data for the years 2002 and 2003 are provisional due to reporting delays.

(3) Percentages may not total to 100 due to rounding.

CUMULATIVE ADULT/ADOLESCENT ⁽¹⁾ AIDS CASES BY RISK, RACE, AND GENDER 12/31/03									
Risk	White		African American		Other		TOTAL		
	No.	%	No.	%	No.	%	No.	% ⁽²⁾	
MALE	MSM ⁽³⁾	1835	74%	431	46%	36	43%	2302	66%
	IDU ⁽⁴⁾	159	6%	212	23%	23	27%	394	11%
	MSM and IDU	152	6%	80	9%	6	7%	238	7%
	Hemophilia/Coagulation Disorder	73	3%	8	1%	0	0%	81	2%
	Heterosexual ⁽⁵⁾	109	4%	80	9%	8	10%	197	6%
	Transfusion/Transplant	23	1%	4	0%	0	0%	27	1%
	Undetermined ⁽⁶⁾	118	5%	124	13%	11	13%	253	7%
	TOTAL	2469	100%	939	100%	84	100%	3492	100%
FEMALE	IDU ⁽⁴⁾	66	24%	74	29%	7	26%	147	27%
	Hemophilia/Coagulation Disorder	1	0%	0	0%	0	0%	1	0%
	Heterosexual ⁽⁵⁾	149	55%	117	46%	14	52%	280	51%
	Transfusion/Transplant	11	4%	4	2%	0	0%	15	3%
	Undetermined ⁽⁶⁾	44	16%	57	23%	6	22%	107	19%
	TOTAL	271	100%	252	100%	27	100%	550	100%

(1) Cases are classified as Adult/Adolescent if they are 13 years of age or older at time of diagnosis.

(2) Percentages may not total to 100 due to rounding.

(3) MSM = Men Having Sex with Men

(4) IDU = Injecting Drug User

(5) "Heterosexual" includes persons who have had heterosexual contact with a person with HIV or at risk for HIV.

(6) "Undetermined" refers to persons whose mode of exposure to HIV is unknown. This includes persons who are under investigation, dead, lost to follow-up, refused interview, and persons whose mode of exposure remain undetermined after investigation.

CUMULATIVE PEDIATRIC ⁽¹⁾ AIDS CASES BY RISK AND RACE 12/31/03								
Risk	White		African American		Other		TOTAL	
	No.	%	No.	%	No.	%	No.	% ⁽²⁾
Hemophilia/Coagulation Disorder	3	20%	1	7%	0	0%	4	14%
Perinatal	11	73%	13	93%	0	0%	24	83%
Transfusion	1	7%	0	0%	0	0%	1	3%
TOTAL	15	100%	14	100%	0	0%	29	100%

(1) Cases are classified as Pediatric if they are less than 13 years of age at time of diagnosis.

(2) Percentages may not total to 100 due to rounding

Kentucky AIDS Deaths ⁽¹⁾ 2001 - All Ages									
	White			African American			Total		
	Deaths	Rate ⁽²⁾	Rank ⁽³⁾	Deaths	Rate ⁽²⁾	Rank ⁽³⁾	Deaths	Rate ⁽²⁾	Rank ⁽³⁾
Male	42	2.3	23rd	32	22.1	9th	74	3.7	18th
Female	9	0.5	29th	7	4.6	16th	16	0.8	28th
Total	51	1.4	26th	39	13.1	11th	90	2.2	22nd

Kentucky AIDS Deaths ⁽¹⁾ 2001- Age Group 25-44									
	White			African American			Total		
	Deaths	Rate ⁽²⁾	Rank ⁽³⁾	Deaths	Rate ⁽²⁾	Rank ⁽³⁾	Deaths	Rate ⁽²⁾	Rank ⁽³⁾
Male	25	4.7	7th	26	59.3	2nd	51	8.6	6th
Female	6	1.1	14th	6	13.1	5th	12	2.0	11th
Total	31	2.9	9th	32	35.8	3rd	63	5.3	6th

(1) Vital Statistics data provided by the Surveillance & Health Data Branch of the Division of Epidemiology & Health Planning

(2) Rate per 100,000 population

(3) Refers to the leading causes of death in the state of Kentucky

CUMULATIVE ⁽¹⁾ AIDS CASES BY AGE AT DIAGNOSIS, RACE, AND GENDER 12/31/03									
Age Group		White		African American		Other		TOTAL	
		No.	%	No.	%	No.	%	No.	% ⁽²⁾
MALE	<13	8	0%	8	1%	0	0%	16	0%
	13-19	17	1%	4	0%	1	1%	22	1%
	20-29	427	17%	153	16%	26	31%	606	17%
	30-39	1161	47%	419	44%	39	46%	1619	46%
	40-49	623	25%	279	29%	13	15%	915	26%
	>49	241	10%	84	9%	5	6%	330	9%
	TOTAL	2477	100%	947	100%	84	100%	3508	100%
FEMALE	<13	7	3%	6	2%	0	0%	13	2%
	13-19	4	1%	2	1%	0	0%	6	1%
	20-29	66	24%	62	24%	8	30%	136	24%
	30-39	110	40%	113	44%	10	37%	233	41%
	40-49	55	20%	56	22%	6	22%	117	21%
	>49	36	13%	19	7%	3	11%	58	10%
	TOTAL	278	100%	258	100%	27	100%	563	100%

(1) Includes both Adult/Adolescent and Pediatric AIDS cases.

(2) Percentages may not total to 100 due to rounding.

KENTUCKY AIDS CASES ⁽¹⁾ , LIVING AND DECEASED, AS OF 12/31/03				
Diagnosis Year	Total Cases	Living	Deceased	Case Fatality Rate ⁽²⁾
1982	3	0	3	100%
1983	6	0	6	100%
1984	15	0	15	100%
1985	32	0	32	100%
1986	41	1	40	98%
1987	72	5	67	93%
1988	127	5	122	96%
1989	169	20	149	88%
1990	192	25	167	87%
1991	226	39	187	83%
1992	296	71	225	76%
1993	315	102	213	68%
1994	323	149	174	54%
1995	343	214	129	38%
1996	342	255	87	25%
1997	280	218	62	22%
1998	248	190	58	23%
1999	235	197	38	16%
2000	212	178	34	16%
2001	229	211	18	8%
2002	233	219	14	6%
2003	132	129	3	2%
TOTAL	4071	2228	1843	45%

(1) Includes both Adult/Adolescent and Pediatric AIDS cases.

(2) The case fatality rate is the percentage of AIDS cases diagnosed in a year which are deceased.

CUMULATIVE AIDS STATISTICS FOR KENTUCKY AND THE UNITED STATES

KENTUCKY AIDS CASES CUMULATIVE THROUGH 2002		
Characteristics	Total Cases	% ⁽¹⁾ of AIDS cases
GENDER		
Male (adult/adolescent)	3,492	86%
Female (adult/adolescent)	550	14%
Child (<13 yrs)	29	1%
Unknown	0	0%
TOTAL	4,071	100%
AGE AT DIAGNOSIS		
<13	29	1%
13-24	208	5%
25-44	3,105	76%
45-64	689	17%
65+	40	1%
TOTAL	4,071	100%
RACE		
White	2,755	68%
African-American	1,205	30%
Other	111	3%
Undetermined	0	0%
TOTAL	4,071	100%
RISK		
MSM ⁽²⁾	2,302	57%
IDU ⁽³⁾	541	13%
MSM/IDU	238	6%
Heterosexual	477	12%
Perinatal	24	1%
Other ⁽⁴⁾	489	12%
TOTAL	4,071	100%

(1) Percentages may not always total 100% due to rounding

(2) MSM=Men Having Sex with Men

(3) IDU=Injecting Drug User

(4) Includes hemophilia, blood transfusion, and risk not reported or not identified.

ESTIMATED UNITED STATES AIDS CASES CUMULATIVE THROUGH 2002 ⁽⁵⁾		
Characteristics	Total Cases ⁽⁶⁾	% ⁽¹⁾ of AIDS cases
GENDER		
Male (adult/adolescent)	718,002	81%
Female (adult/adolescent)	159,271	18%
Child (<13 yrs)	9,300	1%
Unknown	2	0%
TOTAL	886,575	100%
AGE AT DIAGNOSIS		
<13	9,300	1%
13-24	36,299	4%
25-44	649,138	73%
45-64	178,970	20%
65+	12,868	1%
TOTAL	886,575	100%
RACE		
White	364,458	41%
African-American	347,491	39%
Other	173,739	20%
Undetermined	887	0%
TOTAL	886,575	100%
RISK		
MSM ⁽²⁾	420,790	47%
IDU ⁽³⁾	240,268	27%
MSM/IDU	59,719	7%
Heterosexual	135,628	15%
Perinatal	8,629	1%
Other ⁽⁴⁾	21,540	2%
TOTAL	886,574	100%

(5) U.S. Cases from Centers for Disease Control and Prevention. *HIV/AIDS Surveillance Report*, 2002;14

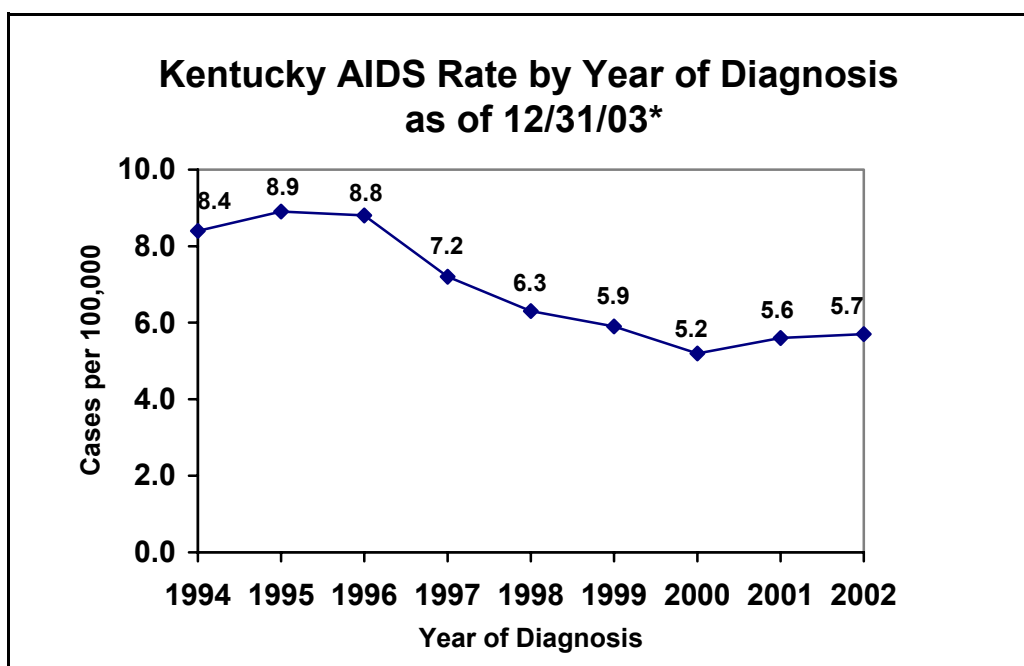
(6) These numbers do not represent actual cases, rather they are point estimates which have been adjusted for reporting delay and for redistribution of unknown risk. Values totals for each subpopulation may be different because values were calculated independently.

Kentucky closely parallels the US percentage of AIDS cases by gender and age at diagnosis. Compared to US data, the percentage of white cases reported is greater in Kentucky. One possible explanation for this is the greater percentage of White persons in Kentucky's general population compared to the US population. In addition, a greater percentage of Kentucky AIDS cases report their mode of exposure to be Men Having Sex with Men (MSM) compared to US AIDS cases.

Annual AIDS Rate per 100,000 A Comparison of Kentucky to Other States Year of Report 2002

<u>Rank</u>	<u>State</u>	<u>Rate</u>
1	District of Columbia	162.4
2	New York	34.8
3	Maryland	34.0
4	Florida	30.3
5	Louisiana	26.0
*	*	*
*	*	*
31	Kentucky	7.5

US RATE = 14.5



*Data are current as of 12/31/03 however data for 2003 are provisional due to reporting delays and are not presented in trend analysis.

Compared to other states, Kentucky ranked 31st in the number of AIDS cases reported in the year 2002. A dramatic decline in the AIDS incidence rate in Kentucky, based on year of diagnosis, was observed from 1995 to 2000. However, in the year 2001 an increase in the AIDS incidence rate was observed in Kentucky and continued with a slight increase also observed in the year 2002. Treatment failures, difficulties adhering to complex treatment regimens and late diagnoses of HIV, which delay the initiation of treatment, could be among several factors responsible for the lack of continued progress in reducing new AIDS diagnoses.

CUMULATIVE AIDS CASES ¹								
BY								
COUNTY OF RESIDENCE AT TIME OF DIAGNOSIS								
County	Total AIDS Cases ⁽²⁾	Living With AIDS	County	Total AIDS Cases	Living With AIDS	County	Total AIDS Cases	Living With AIDS
Adair	≤5	≤5	Grant	11	≤5	McLean	≤5	≤5
Allen	8	≤5	Graves	21	9	Meade	13	10
Anderson	7	≤5	Grayson	8	≤5	Menifee	≤5	≤5
Ballard	7	≤5	Green	≤5	≤5	Mercer	15	7
Barren	21	6	Greenup	12	6	Metcalfe	≤5	≤5
Bath	≤5	≤5	Hancock	≤5	≤5	Monroe	11	7
Bell	10	7	Hardin	64	36	Montgomery	12	12
Boone	42	22	Harlan	10	6	Morgan	15	7
Bourbon	12	7	Harrison	8	≤5	Muhlenberg	21	9
Boyd	50	34	Hart	6	≤5	Nelson	13	≤5
Boyle	13	10	Henderson	37	24	Nicholas	≤5	≤5
Bracken	≤5	≤5	Henry	9	≤5	Ohio	6	≤5
Breathitt	≤5	≤5	Hickman	≤5	≤5	Oldham	113	70
Breckinridge	6	≤5	Hopkins	30	10	Owen	≤5	≤5
Bullitt	14	8	Jackson	≤5	≤5	Owsley	≤5	≤5
Butler	≤5	≤5	Jefferson	1695	875	Pendleton	≤5	≤5
Caldwell	11	6	Jessamine	15	8	Perry	10	7
Calloway	17	8	Johnson	6	≤5	Pike	20	11
Campbell	75	39	Kenton	193	96	Powell	6	≤5
Carlisle	≤5	≤5	Knott	≤5	≤5	Pulaski	30	16
Carroll	≤5	≤5	Knox	8	≤5	Robertson	≤5	≤5
Carter	6	≤5	Larue	≤5	≤5	Rockcastle	≤5	≤5
Casey	≤5	≤5	Laurel	17	9	Rowan	6	≤5
Christian	62	39	Lawrence	≤5	≤5	Russell	≤5	≤5
Clark	15	10	Lee	≤5	≤5	Scott	23	17
Clay	20	17	Leslie	≤5	≤5	Shelby	24	16
Clinton	≤5	≤5	Letcher	13	6	Simpson	6	≤5
Crittenden	≤5	≤5	Lewis	9	6	Spencer	≤5	≤5
Cumberland	≤5	≤5	Lincoln	9	6	Taylor	≤5	≤5
Daviess	69	39	Livingston	9	≤5	Todd	16	11
Edmonson	≤5	≤5	Logan	17	8	Trigg	7	6
Elliott	≤5	≤5	Lyon	13	≤5	Trimble	6	≤5
Estill	≤5	≤5	Madison	34	18	Union	14	8
Fayette	571	340	Magoffin	≤5	≤5	Warren	62	24
Fleming	≤5	≤5	Marion	6	≤5	Washington	≤5	≤5
Floyd	11	9	Marshall	9	7	Wayne	≤5	≤5
Franklin	43	24	Martin	≤5	≤5	Webster	6	≤5
Fulton	≤5	≤5	Mason	12	7	Whitley	18	11
Gallatin	≤5	≤5	McCracken	96	56	Wolfe	≤5	≤5
Garrard	≤5	≤5	McCreary	≤5	≤5	Woodford	16	12

(1) For confidentiality purposes, cases less than or equal to 5 are not listed.

(2) Total cases both living and deceased

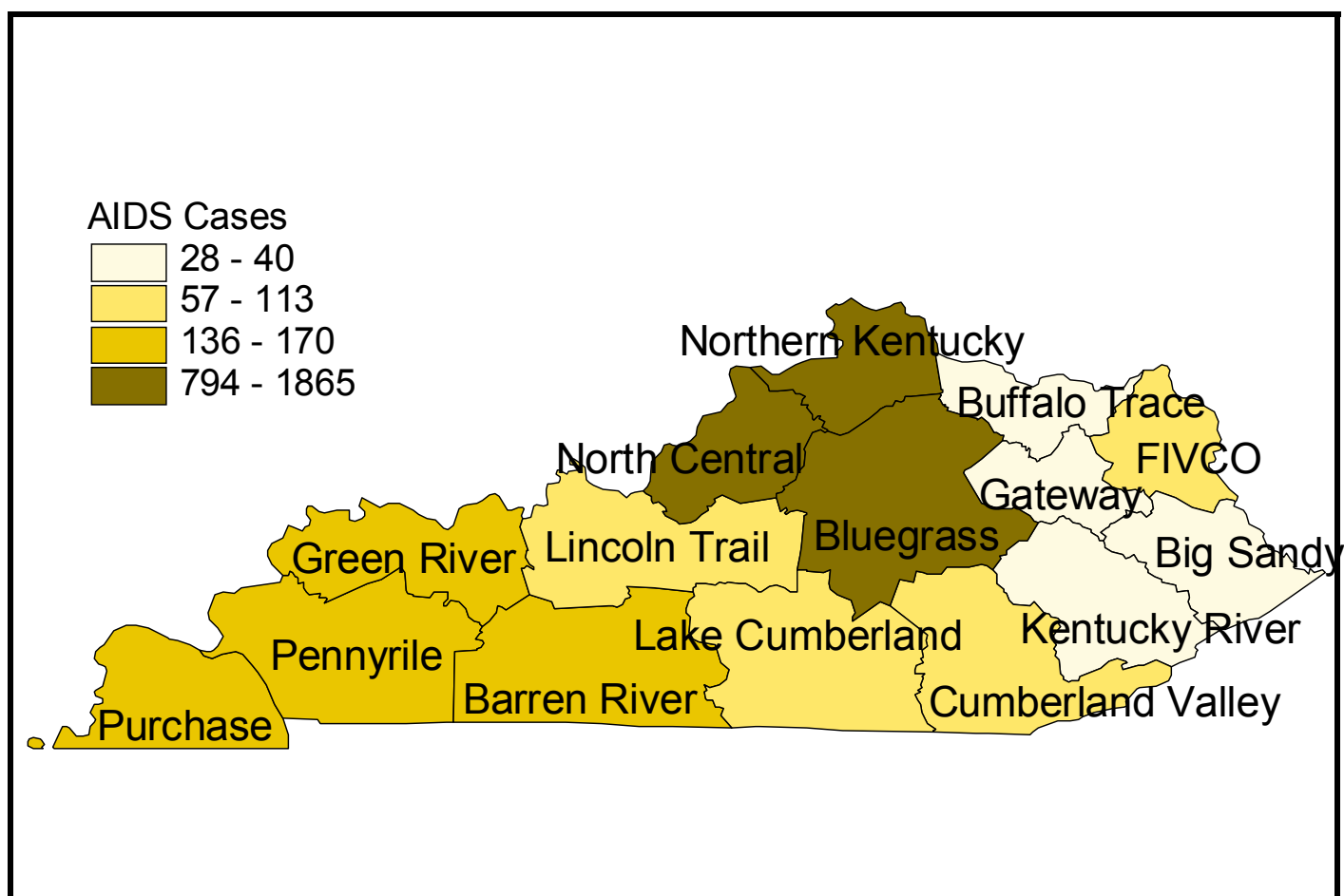
AIDS CASES AND RATES BY YEAR OF DIAGNOSIS AND AREA DEVELOPMENT DISTRICT OF RESIDENCE AT TIME OF DIAGNOSIS										
DISTRICT	CASES & RATES ⁽¹⁾	1982-97	1998	1999	2000	2001	2002	2003	TOTAL CASES ⁽²⁾	%
1. Purchase	Cases	94	12	13	9	13	9	9	159	4%
	Rate per 100,000		6.3	6.8	4.7	6.7	4.7			
2. Pennyriple	Cases	123	10	5	11	7	7	7	170	4%
	Rate per 100,000		4.7	2.3	5.1	3.2	3.2			
3. Green River	Cases	88	12	8	9	6	8	8	139	3%
	Rate per 100,000		5.8	3.9	4.3	2.9	3.9			
4. Barren River	Cases	99	5	8	4	4	10	6	136	3%
	Rate per 100,000		2.0	3.3	1.6	1.6	3.9			
5. Lincoln Trail	Cases	78	7	5	8	5	8	2	113	3%
	Rate per 100,000		2.9	2.1	3.3	2.1	3.3			
6. North Central	Cases	1268	112	120	92	105	113	55	1865	46%
	Rate per 100,000		13.4	14.2	10.6	12.1	13.0			
7. Northern Kentucky	Cases	264	10	12	9	14	13	9	331	8%
	Rate per 100,000		2.7	3.2	2.3	3.6	3.3			
8. Buffalo Trace	Cases	17	5	1	1	2	2	0	28	1%
	Rate per 100,000		9.1	1.8	1.8	3.6	3.6			
9. Gateway	Cases	27	1	3	1	2	4	1	39	1%
	Rate per 100,000		1.4	4.1	1.3	2.6	5.2			
10. FIVCO	Cases	52	8	2	3	2	3	4	74	2%
	Rate per 100,000		5.9	1.5	2.2	1.5	2.2			
11. Big Sandy	Cases	31	3	3	0	1	0	2	40	1%
	Rate per 100,000		1.8	1.8	0.0	0.6	0.0			
12. Kentucky River	Cases	23	3	1	1	2	5	1	36	1%
	Rate per 100,000		2.4	0.8	0.8	1.7	4.1			
13. Cumberland Valley	Cases	53	9	5	4	9	7	3	90	2%
	Rate per 100,000		3.8	2.1	1.7	3.8	2.9			
14. Lake Cumberland	Cases	40	5	0	2	6	2	2	57	1%
	Rate per 100,000		2.6	0.0	1.0	3.1	1.0			
15. Bluegrass	Cases	525	46	49	58	51	42	23	794	20%
	Rate per 100,000		7.1	7.4	8.5	7.4	6.1			
TOTAL CASES		2782	248	235	212	229	233	132	4071	100%

(1) Rates are only listed for years of diagnosis 1998 - 2002. Data for 2002 and 2003 are provisional due to reporting delay. Rates for 2002 are based on 2001 population estimates.

(2) Total AIDS Cases both Living and Deceased.

Counties In Each Area Development District	
1. Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, McCracken, Marshall	
2. Caldwell, Christian, Crittenden, Hopkins, Livingston, Lyon, Muhlenberg, Todd, Trigg	
3. Daviess, Hancock, Henderson, McLean, Ohio, Union, Webster	
4. Allen, Barren, Butler, Edmonson, Hart, Logan, Metcalfe, Monroe, Simpson, Warren	
5. Breckinridge, Grayson, Hardin, Larue, Marion, Meade, Nelson, Washington	
6. Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer, Trimble	
7. Boone, Campbell, Carroll, Gallatin, Grant, Kenton, Owen, Pendleton	
8. Bracken, Fleming, Lewis, Mason, Robertson	
9. Bath, Menifee, Montgomery, Morgan, Rowan	
10. Boyd, Carter, Elliott, Greenup, Lawrence	
11. Floyd, Johnson, Magoffin, Martin, Pike	
12. Breathitt, Knott, Lee, Leslie, Letcher, Owsley, Perry, Wolfe	
13. Bell, Clay, Harlan, Jackson, Knox, Laurel, Rockcastle, Whitley	
14. Adair, Casey, Clinton, Cumberland, Green, McCreary, Pulaski, Russell, Taylor, Wayne	
15. Anderson, Bourbon, Boyle, Clark, Estill, Fayette, Franklin, Garrard, Harrison	
Jessamine, Lincoln, Madison, Mercer, Nicholas, Powell, Scott, Woodford	

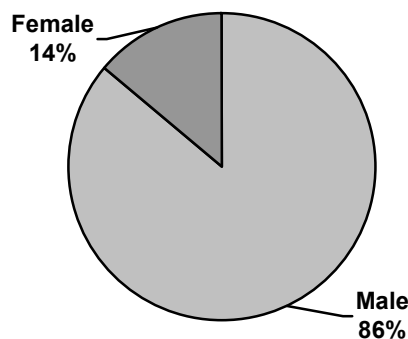
AIDS in Kentucky
Cumulative AIDS Cases by Area Development District
December 31, 2003



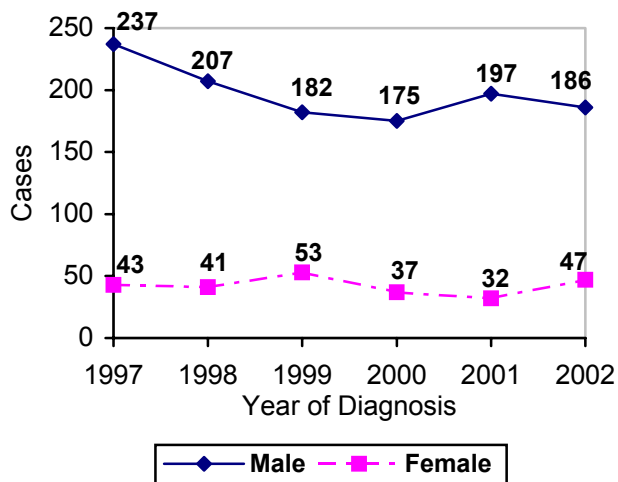
The largest percentage of AIDS cases, 46%, stated that the North Central Area Development District (ADD), which includes Louisville, was their ADD of residence at the time of diagnosis. The next highest percentage, 20%, resided in the Bluegrass ADD, which includes Lexington, followed by Northern Kentucky at 8%.

GENDER

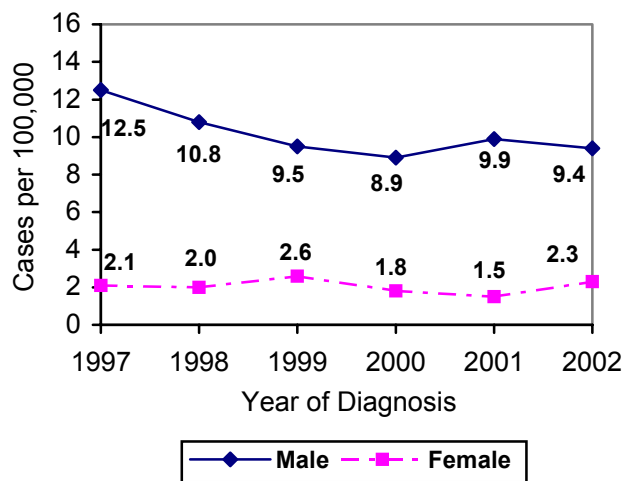
**Percentage of Cumulative Kentucky
AIDS Cases by Gender,
N=4,071**



**Kentucky AIDS Cases
by Gender and Year of Diagnosis
as of 12/31/03***



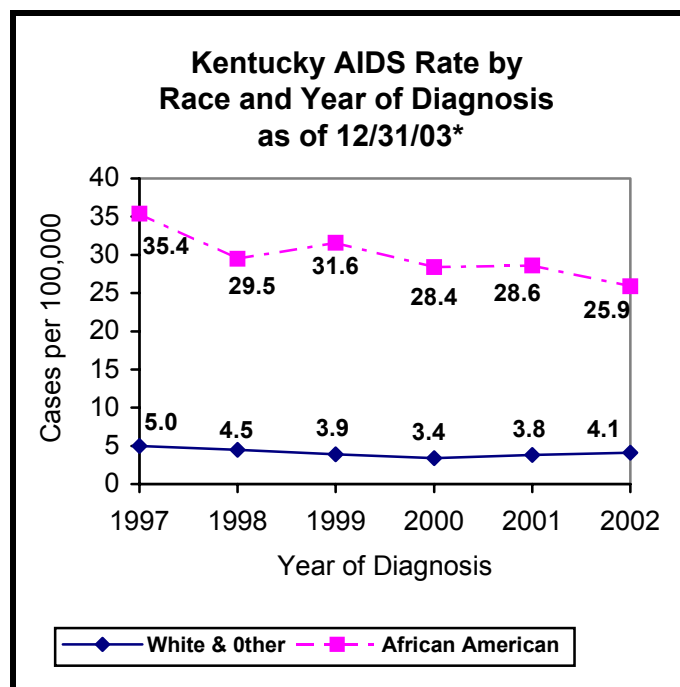
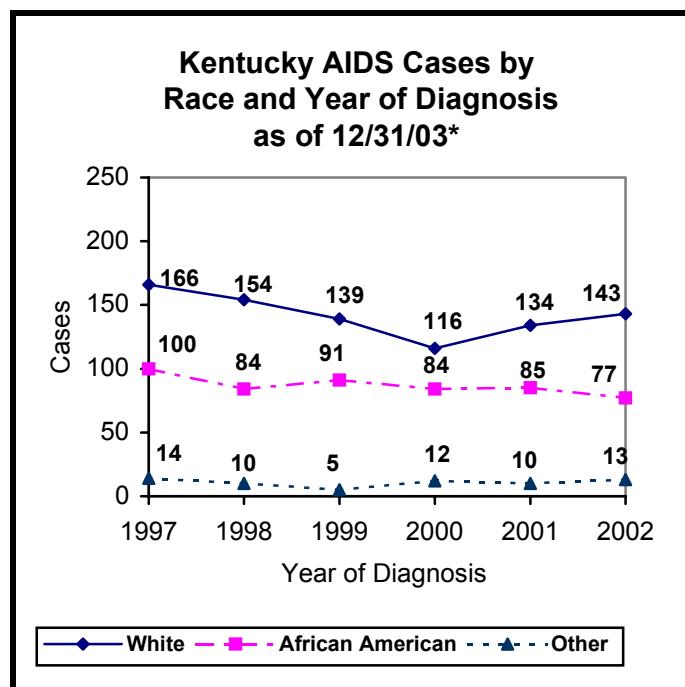
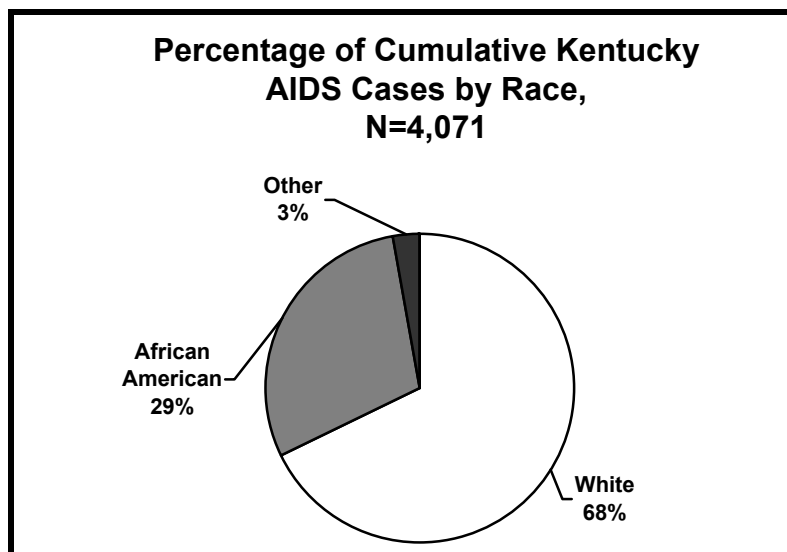
**Kentucky AIDS Rate
by Gender and Year of Diagnosis
as of 12/31/03***



*Data are current as of 12/31/03 however data for 2003 are provisional due to reporting delays and are not presented in trend analysis.

Approximately 86% of all Kentucky AIDS cases reported are male. The male AIDS rate is approximately 5 times higher than the female rate. Among females a 47% increase in AIDS cases was observed from 32 cases diagnosed in 2001 to 47 cases diagnosed in 2002. The AIDS incidence rate among males increased 11% in the year 2001 and then declined slightly in the year 2002.

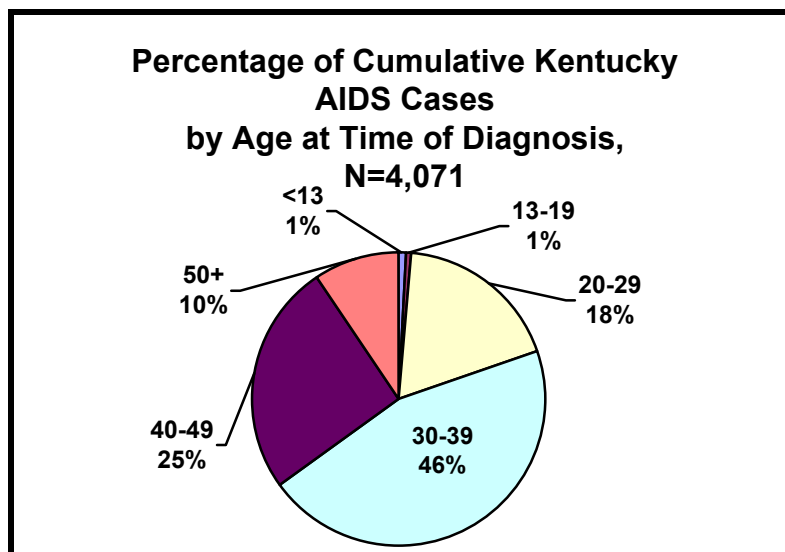
RACE



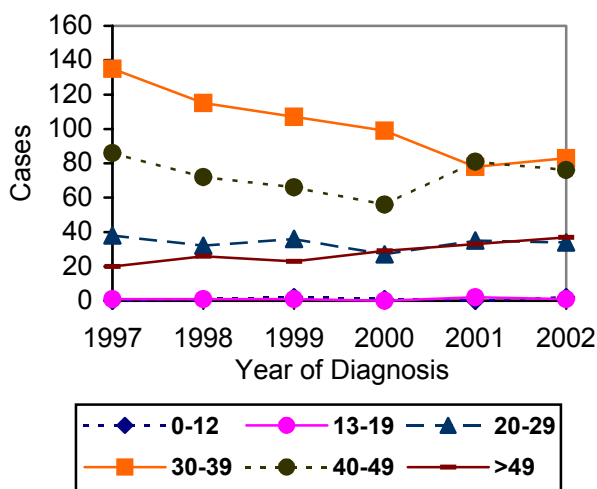
*Data are current as of 12/31/03 however data for 2003 are provisional due to reporting delays and are not presented in trend analysis.

The majority of Kentucky AIDS cases, 68%, are white. African Americans comprise 29% of AIDS cases reported. Hispanics comprise the majority of the “Other” category. The AIDS rate for African Americans is approximately 6 times higher than for Whites/Others. In recent years an increase in the number and rate of AIDS cases among Whites has been observed. Diagnosed AIDS cases among Whites increased approximately 23% from 116 cases diagnosed in 2000 to 143 cases diagnosed in 2002.

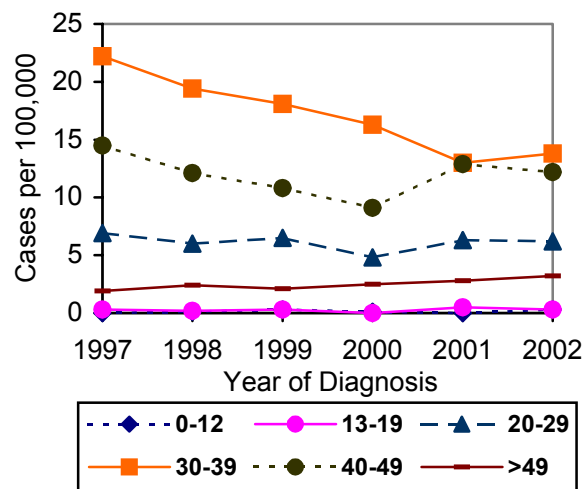
AGE AT DIAGNOSIS



Kentucky AIDS Cases by Age Group and Year of Diagnosis as of 12/31/03*



Kentucky AIDS Rate by Age Group and Year of Diagnosis as of 12/31/03*

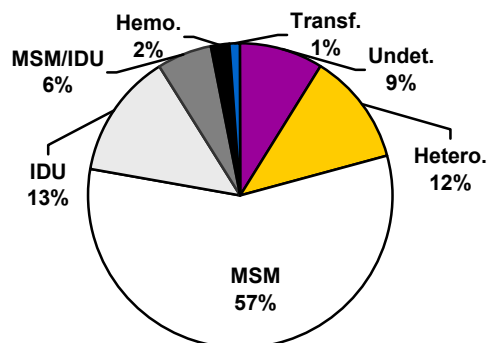


*Data are current as of 12/31/03 however data for 2003 are provisional due to reporting delays and are not presented in trend analysis.

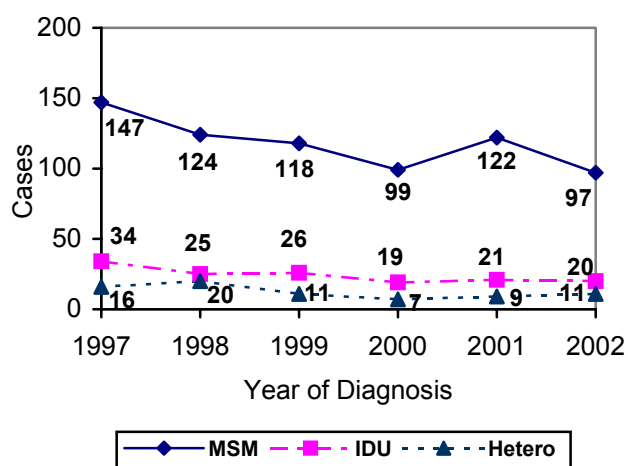
The largest percentage of Kentucky AIDS cases, 46%, are diagnosed in their thirties. The next highest percentage of AIDS cases is among adults in their forties at 25%, followed by adults in their twenties at 18%. An increase in the number of AIDS cases as well as the AIDS incidence rate among persons aged 40-49 at time of diagnosis was observed for the year 2001. Increases in the AIDS incidence rates for persons aged 30-39 and >49 years of age were observed in 2002.

MODE OF EXPOSURE/ RISK

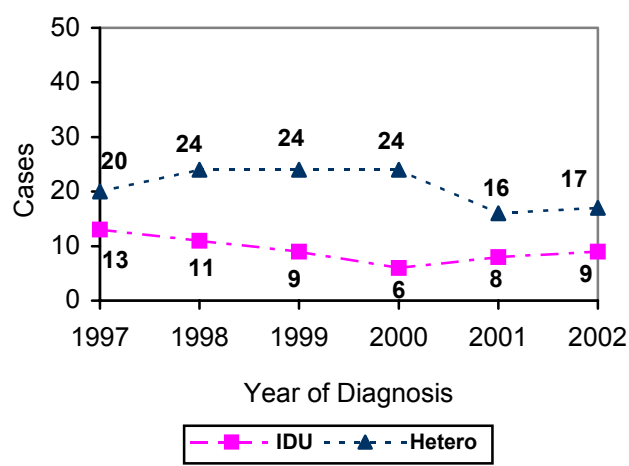
**Percentage of Cumulative Kentucky
Adult/Adolescent AIDS Cases
by Mode of Exposure,
N=4,042**



**Kentucky Adult/Adolescent AIDS
Cases by Mode of Exposure
and Year of Diagnosis
MALE - 12/31/03***



**Kentucky Adult/Adolescent AIDS
Cases by Mode of Exposure
and Year of Diagnosis
FEMALE - 12/31/03***



*Data are current as of 12/31/03 however data for 2003 are provisional due to reporting delays and are not presented in trend analysis.

Among Kentucky Adult/Adolescent AIDS cases, the majority report Men Having Sex with Men (MSM) to be their main mode of exposure at 57%. In the year 2001, among males, an increase in diagnosed AIDS cases with the risk factor of MSM was observed. In recent years, the number of AIDS cases with undetermined mode of exposure information has increased (see page 4). This increase makes comparison of cases by mode of exposure difficult, especially for the more recent years of 2001 and 2002.